

ACCESSION NR: AT4040553

S/2564/64/004/000/0089/0091

AUTHOR: Belyayev, L. M.; Dobrzhanskiy, G. F.; Bagdasarov, Kh. S.

TITLE: Some changes in the method of growing crystals from a melt

SOURCE: AN SSSR. Institut kristallografii. Rost kristallov, v. 4, 1964, 89-91

TOPIC TAGS: crystallography, crystal growth, crystal cultivation, crystal shape, lithium fluoride, cesium iodide, naphthalene

ABSTRACT: To facilitate the process of growing crystals of prescribed size and shape, the authors designed the modified set-up shown in the Enclosure. The set-up consists of an electrical oven (1) with thermoinsulation (2) into which, on a movable stand (9), a crucible with a reactant (8) is placed. The crystal holder (4, 6) is fixed on the supports (7, 11) and can be rotated by the motor (5) to bring the seed crystal (10) into the desired position, where it is fixed by the clamp (3). Using this set-up, the authors obtained crystals of LiF and CsI at a rate of 20-25 mm/hr with a 6-8 mm thick seed crystal, and crystals of naphthalene at a rate of 25-30 mm/hr with a 7-9 thick seed crystal. Crystals of prescribed thickness with

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51"
ACCESSION NR: AT4040553

practically any diameter can be obtained using the assembly. A constant distribution of temperatures in both zones of the process is insured and the possibility of additional thermo-elastic stresses in the growing crystal is eliminated. The shape of the growing crystal can be changed by changing the slope of the crystal holder. "The authors thank V. P. Belov (deceased) and A. M. Kevorkov for their assistance in designing the set-up, and G. B. Netesov and K. S. Cherny*shev for conducting the crystallization experiments. Orig. art. has: 3 figures.

ASSOCIATION: Institut kristallografii AN SSSR (Institute of Crystallography, AN SSSR)

SUBMITTED: 00

DATE ACQ: 02Jul64

ENCL: 01

SUB CODE: IC

NO REF SOV: 002

OTHER: 002

2/3
Card

ACCESSION NR: AT4040553

ENCLOSURE: 01

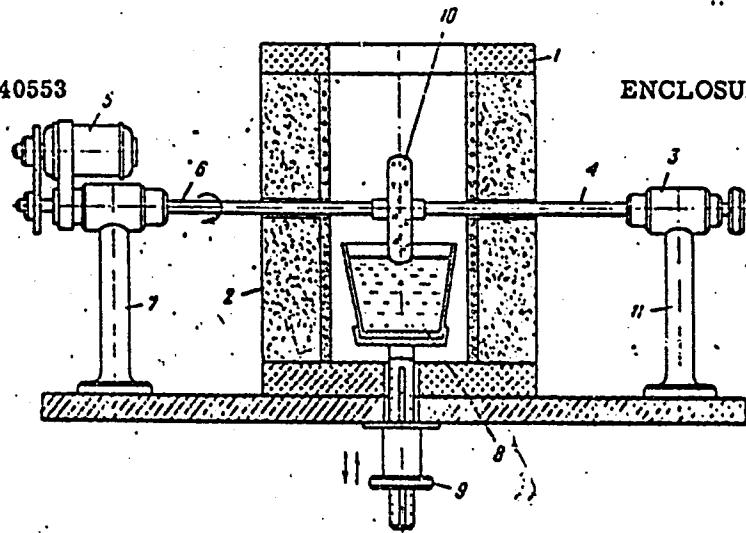


Fig. 1. Schematic diagram of the apparatus.

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ACCESSION NR: AP4043386

S/0181/64/006/008/2526/2528

AUTHORS: Belyayev, L. M.; Belikova, G. S.; Dobrzhanskiy, G. F.; Nemesov, G. B.; Shaldin, Yu. V.

TITLE: Dielectric constant of crystals possessing the electro-optical effect

SOURCE: Fizika tverdogo tela, v. 6, no. 8, 1964, 2526-2528

TOPIC TAGS: dielectric constant, dielectric loss, electrooptic device, phosphate, optical communication, ir communication

ABSTRACT: The authors measured the dielectric constant ϵ and the loss angle tangent $\tan\delta$ in the frequency range from 10^2 to 40×10^9 cps of the crystal $\text{NH}_4\text{H}_2\text{PO}_4$ and KH_2PO_4 relative to the corresponding values for air. The dispersion properties of these constants are important because the electro-optical effect in crystals is used for broadband modulation of electromagnetic radiation at optical and infrared wavelengths. The test procedure and the formulas for the

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ACCESSION NR: AP4043386

determination of the quantities of interest are taken from the book by A. R. Hoppel (Dielectrics and Waves, N.Y., 1954). The data lead to the conclusion that the bandwidth properties of modulators which use the electro-optical effect in these crystals is limited to the centimeter wavelength band by the increase in thermal effect, which lead to breakdown of the crystals. Similar tests made on cubic crystals ($N_4(CH_2)_6$ and CuCl) show $N_4(CH_2)_6$ to be preferable for these purposes because they have a smaller loss angle in the millimeter band, and because the phase velocity of the light wave is equal to the phase velocity of the microwave. Orig. art. has: 2 tables.

ASSOCIATION: Institut kristallografii AN SSSR, Moscow (Institute of Crystallography, AN SSSR)

SUBMITTED: 24Jan64

SUB CODE: OP, SS

NR REF SOV: 000

ENCL: 02

OTHER: 004

Card 2/4

ACCESSION NR: AP4043386

ENCLOSURE: 01

Values of ϵ and $\tan\delta$ for uniaxial crystals

Frequency, Hz	NH ₄ H ₂ PO ₄			KH ₂ PO ₄		
	$\epsilon_{ }$	ϵ_{\perp}	$\tan\delta_{ }$	$\epsilon_{ }$	ϵ_{\perp}	$\tan\delta_{ }$
	УТВОРЕНІ ДАНИННІ ЗМІНАМИ					
10 ²	16.0 ± 0.5	55.8 ± 1.5	0.1	21.8 ± 0.5	43.7 ± 1.5	0.06
10 ³	15.9 ± 0.5	57.0 ± 1.5	0.065	21.3 ± 0.5	43.3 ± 1.5	0.008
10 ⁴	15.5 ± 0.5	56.0 ± 1.5	0.018	20.8 ± 0.5	43.2 ± 1.5	0.002
10 ⁵	15.3 ± 0.5	55.8 ± 1.5	0.005	20.1 ± 0.5	43.0 ± 1.5	0.0006
9.8 · 10 ⁶	15.0 ± 0.5	55.5 ± 1.5	0.005	20.0 ± 0.5	42.5 ± 1.5	0.0005
9.4 · 10 ⁶	14.7 ± 0.5	55.3 ± 1.5	0.041	19.7 ± 0.5	42.3 ± 1.5	0.0008
3.96 · 10 ¹⁰	14.0 ± 0.5	55.0 ± 1.5	0.08	19.6 ± 0.5	42.0 ± 1.5	0.003

1 - Frequency, cps, 2 - relative values

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ACCESSION NR: AP4043386

ENCLOSURE: 02

Values of ϵ and $\tan \delta$ for cubic crystals

Числово, $\tau\Omega$	$N(CH_3)_4^+$		$N_2(CH_3)_2^+$		CaCl	
	ϵ	$\lg \delta$	ϵ	$\lg \delta$	ϵ	$\lg \delta$
	ОТНОСИТЕЛЬНОЕ ЗВУЧАНИЕ					
10^2	2.5 ± 0.2	0.1	2.5 ± 0.2	0.1	10.0 ± 0.5	-
10^3	2.5 ± 0.2	0.065	2.5 ± 0.2	0.04	9.8 ± 0.5	-
10^4	2.5 ± 0.2	0.018	2.5 ± 0.2	0.011	9.2 ± 0.5	-
10^5	2.5 ± 0.2	0.005	2.5 ± 0.2	0.001	8.8 ± 0.5	-
$9.8 \cdot 10^6$	2.6 ± 0.2	0.005	2.6 ± 0.2	0.0008	8.6 ± 0.5	-
$9.4 \cdot 10^7$	2.6 ± 0.2	0.005	2.6 ± 0.2	0.0008	8.4 ± 0.5	-
$3.96 \cdot 10^{10}$	2.6 ± 0.2	0.005	2.6 ± 0.2	0.0008	8.3 ± 0.5	-

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L 16354-65

EWT(m)/EWP(t)/EWP(b)

IJP(c)/ESD(Y)/SSD/AFWL/RAEM(a)

JD

S/0181/64/006/012/3727/3728

ACCESSION NR: AP5000686

AUTHORS: Belyayev, L. M.; Dobrzhanskiy, G. F.; Pisarevskiy, Yu. V.
Chernyshev, K. S.; Shaldin, Yu. V.

TITLE: Electro-optical properties of copper chloride and copper bromide crystals

SOURCE: Fizika tverdogo tela, v. 6, no. 12, 1964, 3727-3728

TOPIC TAGS: electrooptical property, copper inorganic compound, refractive index

ABSTRACT: The authors measured the total electro-optical effect of copper chloride and copper bromide crystals, obtained from a melt and annealed. The experimental setup is shown in Fig. 1. The samples were cut from the ingots and annealed in a vacuum closure. The samples were oriented by x-ray diffraction and etch figures, with final orientation based on the measured electro-optical effect. The electrodes on the sample were sputtered in vacuum. The

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L 16354-65

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ACCESSION NR: AP5000686

values obtained for the product of the cube of the refractive index and the electro-optical coefficient were found to be, at 515 and 675 nm respectively, 29 and 34 for CuCl and 22 and 26 for CuBr. The low values obtained for this product are probably due to the presence of stresses in the crystal and to inaccurate orientation of the samples." (Ref. Art. "Basic Properties of CuCl and CuBr Crystals," N. V. Glika and O. K. Mel'nikov, p. 102, and 1 table.)

ASSOCIATION: Institut kristallografi AN SSSR, Moscow (Institut
of Crystallography AN SSSR)

SUBMITTED: 10Jul64

ENCL: 0.

SUB CODE: OP, SS

NR REF Sov: 000

OTHER: 002

Card 2/3

L 16354-65

ACCESSION NR: AP5000686

DATA SHEET

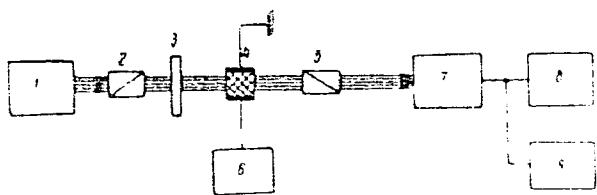


Fig. 1. Block diagram of setup for the measurement of the electro-optical effect.

1 - monochromator, 2 - polarizer, 3 - quarter-wave plate,
4 - crystal sample, 5 - analyzer, 6 - high voltage source,
7 - photodetector, 8 - millivoltmeter, 9 - universal voltmeter

Card

3/3

ACCESSION NR: AP4043199

S/0070/64/009/004/0579/0580

AUTHOR: Vitovskiy, B. V.; Dobrzhanskiy, G. F.

TITLE: Method for growing layers of varied composition on a crystalline substrate

SOURCE: Kristallografiya, v. 9, no. 4, 1964, 579-580

TOPIC TAGS: single crystal growth, thin layer growth, melt crystal growth, solution crystal growth, crystal growth apparatus, cesium iodide crystal, manganese activated cesium iodide

ABSTRACT: A new method and apparatus are described for growing single crystal layers with periodically changing properties. The method would promote expansion in the technological application of crystals. Basically, the growth of crystal layers is achieved by short-time immersion of a seed crystal in a superheated melt or solution and subsequent transfer of the seed into the crystallization zone, in which it is retained for a period of time necessary for complete crystallization of the liquid layer. This double process

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ACCESSION NR: AP4043199

is performed in an electric resistance furnace with two separately controlled heaters. The transfer of the seed is accomplished by means of an eccentric device which transmits a reciprocating motion through a lever to the seed. The desired thickness is obtained by repeated immersions. Single crystal layers of Mn-activated cesium iodide were grown on cesium iodide crystals of various shapes and dimensions. Orig. art. has 2 figures.

ASSOCIATION: Institut Kristallografii AN SSSR (Institute of Crystallography, AN SSSR)

SUBMITTED: 25Jan64

SUB CODE: 88

ENCL: 00

NR REF Sov: 001

OTHER: 000

Card 2/2

L 16577-65 EWT(m)/EWP(t)/EWP(b) RAEM(c)/ESD(t)/ESD(ga)/AFWL ASI/ASW
AS(mp)-2/AFMD(t)/IJP(c) JD

ACCESSION NR: AP5000297

S/0070/64/009/006/0928/0929

AUTHORS: Dobrzhanskiy, G. F.; Belyayev, L. M.; Petrov, I. P.;
Rybkin, Yu. F.; Fedosov, A. Ye.; Chernyshev, K. S.

TITLE: Transmission spectra of copper chloride and bromide single
crystals

SOURCE: Kristallografiya, v. 9, no. 6, 1964, 928-929

TOPIC TAGS: copper compound, single crystal, ir spectrum, optical
transmission, crystal growth

ABSTRACT: The transmission spectra of single crystals of copper
chloride and bromide were measured in the infrared region of the
spectrum. The crystal growth procedure was described by some of
the authors elsewhere (Collection: Rost kristallov [Crystal Growth]
v. 3, 342, 1961). Particular attention was paid to the purity of
the initial reagent and thorough cleaning of the produced crystal.

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L 16577-65

ACCESSION NR: AP5000297

The samples were made in the form of plane-parallel plates ~ mm thick. An infrared DS-301 spectrometer was used with potassium sodium chloride (up to 15 μ) and potassium bromide (up to 25 μ). A Hilger H-800 spectrometer was used above 25 μ (cesium iodide plates). The measurements show that the single crystals have good transmission on the order of 80% without selective absorption bands; 18 μ for the chloride and 24 μ for the bromide, with a long-wave transmission limit at 22 and 32 μ respectively; they are therefore of interest for infrared technology and spectroscopy. "The authors thank Ye. I. Kortukova and L. D. Kislovskiy for help with the optical measurements, and Ye. P. Meshcheryakova for the x-ray analysis." Orig. art. has: 2 figures.

ASSOCIATION: Institut kristallografii AN SSSR (Institute of Crystallography AN SSSR)

SUBMITTED: 09Jun64

ENCL: 00

Card 2/3

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000410710014-3

L 16577-65

ACCESSION NR: AP5000297

SUB CODE: OP, SS

NR REF SOV: 001

OTHER: 000

Card . 3/3

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000410710014-3"

L 16573-65 EWT(m)/EWP(t)/EWP(b) ESD(gs)/RAEM(c)/ESD(t)/AFWL/ASD(a)-5/
ASD(m)-3/AS(mp)-2 JD
ACCESSION NR: AP5000301 S/0070/64/009/006/0940/0942

AUTHORS: Aly*akov, A. A.; Dobrzhanskiy, G. F.; Gubanova, V. A.

TITLE: Growing of ionic crystals with low dislocation density

SOURCE: Kristallografiya, v. 9, no. 6, 1964, 940-942

TOPIC TAGS: ionic crystal, crystal growth, dislocation study,
dislocation density, dislocation motion

ABSTRACT: Data are presented on the production of pure and impurity-containing crystals of potassium chloride and sodium chloride with low dislocation density. The crystals were grown by the Kiroopoulos method. The primer with the grown crystal were lifted periodically, and each succeeding step was grown with the preceding step as a primer. The number of steps ranged from 3 to 6. The dislocations were displayed by selective etching. Microphotographs of the etched surface were taken with the MIM-8m microscope with oblique

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L 16573-65
ACCESSION NR: AP5000301

2

illumination. The etching has shown that the dislocation density of the first step is much larger than in the second and succeeding steps. The decrease in dislocation density is accompanied by a decrease in the microhardness of the crystals, which amounts in the fourth step to 10--17% relative to the first step. This indicates that the lower steps have fewer distortions of the crystal structure than the higher steps. The decrease in dislocation density as a result of the stepwise growth can be probably attributed to the fact that the dislocation lines do not propagate parallel to the growth axis of the crystal and terminate on the side surface. Consequently, whenever each step is raised, the lower part of the crystal is in contact with the melt, and this part contains fewer dislocation lines. Consequently, fewer dislocations are produced in each succeeding step. This method is recommended for obtaining other ionic crystals with low dislocation density. "The authors thank L. M. Belyayev for continuous interest in the work and valuable advice, and I. I. Manuylova for participating with the experi-

Card 2/3

L 16573-65

ACCESSION NR: AP5000301

ment. Orig. art. has: 2 figures.

ASSOCIATION: Institut fiziki i matematiki AN kirgizkoy SSR (Institute of Physics and Mathematics, AN Kirghiz SSR); Institut kristallo-grafii AN SSSR (Institute of Crystallography AN SSSR)

SUBMITTED: 06Jun64

ENCL: 00

SUB CODE: SS

NR REF SOV: 004

OTHER: 002

Card 3/3

L 19646-65 EPT(c)/EPT (c) 1964-1965

ACCESSION N^o: A-4044512

S/0078:04/019700

AUTHORS: Yaroshchuk, Yu.; Sal'perin, Ye.; ~~and others~~
~~B. I. Chernyshev, K. S.~~

FILE: The Bi₂O₃-MoO₃ system

71 21

SOURCE: Zhurnal neorganicheskoy khimii, v. 9, no. 9, 1964, 2174-175
TOPIC TAGS: Bi₂O₃-MoO₃ system, x ray analysis, Bi₂O₃, MoO₃, molybdate, linitite

ABSTRACT: The portion of the Bi₂O₃-MoO₃ system containing from 10 to 30% MoO₃ was subjected to x-ray analysis. Samples were prepared by mixing the required amounts of Bi and Mo oxides, or by precipitation of bismuth nitrate and ammonium molybdate, or by decomposition of a mixture of solutions of Bi(NO₃)₃ and (NH₄)₂MoO₄. The samples were analyzed by the method developed by J. D. Roberts and R. L. Van Dyke (Crusen, J. Amer. Chem. Soc., 1950, 72, 115). A solid solution of Bi₂O₃ and MoO₃, was not found; it was believed to be a eutectic of Bi₂O₃ and MoO₃. Three compounds were found: Bi₂O₃·MoO₃, Bi₂O₃·2MoO₃ (tetra octahedral lattice, a = 11.80A; c = 5.40A), and Bi₂O₃·2

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L^oMo₃O₈

ACCESSION NR: AP4044812

3MoO₃ (monoclinic lattice, a = 7.85A, b = 11.70A, c = 12.35A, β = 116°20'). The molybdenum oxide did not form solid solution with other oxides at temperatures up to 1000°C. (See tables).

ASSOCIATION: None

SUBMITTED: 06Jun63

SUB CODE: GC, IC

ENCL: C

NR REF Sov: 008

OTMER: CIA

Card 2/2

L 5082-66 EWT(1)/EWT(m)/T/EWP(t)/EWP(b)/EWA(s) IJP(c) JD/GG
ACC NR: AP5024558 UR/0070/65/010/006/0742/0743
548.5 44,55 44,55 44,55

AUTHOR: Belyayev, L. M.; Dobrzhanskiy, G. F.; Novezhikhareva, L. V.; Shaskol'skaya, M. P.

TITLE: Dependence of the perfection of structure and properties of crystals on growing methods 21.4.1

SOURCE: Kristallografiya, v. 10, no. 5, 1965, 742-743, and insert facing p. 742 55
TOPIC TAGS: single crystal growing, potassium chloride, crystal dislocation 49
B

ABSTRACT: A preliminary qualitative study of the effect of various growing techniques on the degree of perfection and properties of the KCl crystal was carried out. Seventy single KCl crystals were grown by the following techniques: Kyropoulos, Kyropoulos with constrictions, Czochralski, Stockbarger, zone crystallization, and aqueous solutions. The perfection of the crystals was determined from the dislocation density revealed by etch figures. The microhardness was obtained with a PMT-3 instrument, and the length of the etch-figure star was measured. KCl crystals with the lowest dislocation density were obtained by the Kyropoulos technique, particularly that involving constrictions. In these crystals, the dislocation density and microhardness decrease from the seed to the end of the crystal. The dependence of structural perfection on the growing methods was found to be quite strong; particularly apparent is the influence of the solvent and crucible. The desirable role of constrictions was confirmed. "The authors thank K. S. Chernyshev for assistance in the experiments." Orig. art. has: 1 figure and 1 table. 44,55

Card 1/2

L 5082-66

ACC NR: AP5024558

ASSOCIATION: Institut kristallografi AN SSSR (Institute of Crystallography, AN SSSR); 6
Moskovskiy institut stali i splavov (Moscow Institute of Steel and Alloys)

SUBMITTED: 30Jan65

ENCL: 00

SUB CODE: SS

NO REF SOV: 005

OTHER: 000

Card

2/2 kid

L 43911-65 EPP(c)/EPP(n)-2/EPA(s)-2/EWT(1)/EWT(m)/EWP(b)/EWP(t) P-1./Pr-1./Pr-2.
P-1.

ACCESSION NR: AP5009514

8/0048/88/028/003/0409/0411

AUTHOR: Parfianovich, I.A.; Shuraleva, Ye.I.; Dobrzhanskiy, G.F.; Magaril, I.O.

held in Lvov, 30 Jan-5 Feb 1964

SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 29, no. 3, 1965, 409-411

TOPIC TAGS: fluorescence, fluorescent crystal, sodium chloride, potassium compound, europium, x ray irradiation, F center

ABSTRACT: NaCl:Eu and KCl:Eu crystals were grown from melts containing from 0.1 to 3 mole percent europium and their luminescence properties were investigated. Excitation spectra, emission spectra, and glow curves were recorded. The effects of the various heat treatments and irradiation with γ -rays and F-band light were investigated. It is indicated that interesting peculiarities have been observed, the explanation of which further experimental facts is required. Among these interesting peculiarities was the following. The excitation bands of NaCl:Eu at 245 and 335 m μ appeared to

Cord 1/2

N L 11895-66 EWT(1)/EWT(m)/EPF(r)-2/t/EWP(t)/EWP(b) IJP(c)
ACC NR: A16002244 SOURCE CODE: UR/2564/65/006/000/0129/0132

AUTHOR: Belyayev, L. M.; Govorkov, V. G.; Dobrzhanskiy, G. F.; Martyshev, Yu. N.;
Shaskol'skaya, M. P.

ORG: none

TITLE: Growing of LiF crystals strengthened by adding uranium and study of their properties

SOURCE: AN SSSR. Institut kristallografi. Rost kristallov, v. 6, 1965, 129-132

TOPIC TAGS: single crystal growing, lithium fluoride, uranyl nitrate, crystal dislocation, triboluminescence, hardness, solid mechanical property

ABSTRACT: LiF single crystals activated with $\text{UO}_2(\text{NO}_3)_2$ were grown from the melt by the Kyropoulos method. The infrared absorption spectra of LiF + U crystals obtained were almost identical to those of pure LiF. Three methods were used to study the mechanical properties of the crystals: (1) measurement of microhardness with a PMT-3 instrument; (2) compression tests with an instrument for micromechanical testing of materials; (3) study of the "star" of dislocations formed around the mark of the diamond indenter. It was found that the introduction of uranium increases the strength of LiF crystals by one order of magnitude and the microhardness by 20% without changing their transparency in the infrared. A shortening of the prongs of the "star" showed a decrease in the mobility of dislocations arising during plastic deformation. This decrease is thought to be caused chiefly by the

Cord 1/2

ACC NR: AT6002244

formation of a charge on the dislocations by the uranium ions. An analogy was observed between the mechanical and triboluminescent properties of LiF + U crystals. It is concluded that the principal part in the phenomenon of triboluminescence is not played by the cloud of excess charges, but by the mobility of dislocations. Orig. art. has: 5 figures and 1 table.

SUB CODE: 20 / SUBM DATE: none / ORIG REF: 006 / OTH REF: 001

OC
Cord 2/2

L 44006-66 EWT(1)/EWT(m)/T/EWP(t)/ETI IJP(c) JD/GG

ACC NR: AP6029873

SOURCE CODE: UR/0413/66/000/015/0026/0026

INVENTOR: Vitovskiy, B. V.; Netesov, G. B.; Chernyshev, K. S.; Dobrzhanskiy, G. F.

ORG: none

31

TITLE: A method of growing single crystals. Class 12, No. 184246

B

SOURCE: Izobret prom obraz tov zn, no. 15, 1966, 26

TOPIC TAGS: single crystal, single crystal growing, homogeneous single crystal

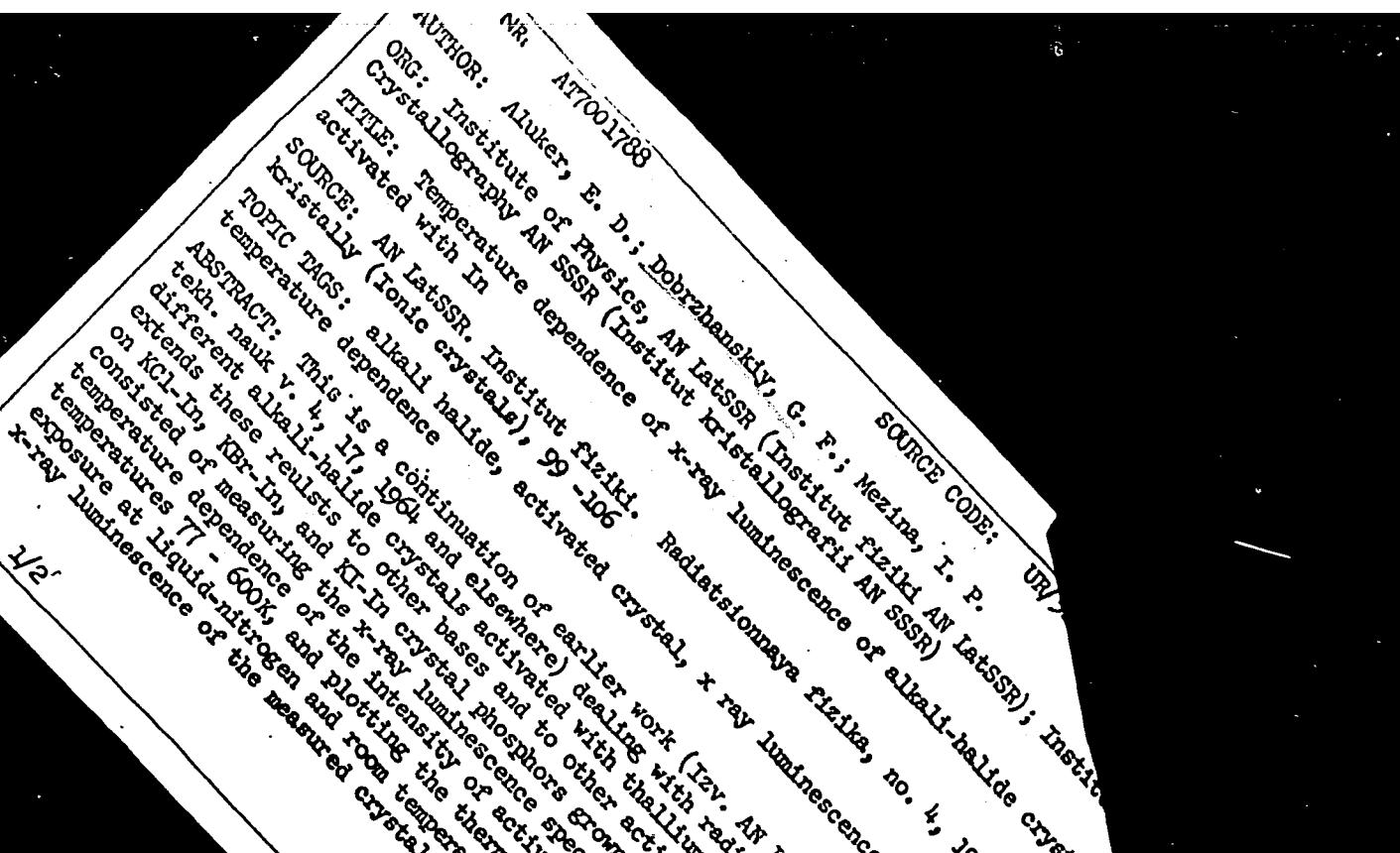
ABSTRACT: This Author Certificate introduces a method of growing single crystals of substances which decompose at below-melting temperatures. The crystals are grown from a gaseous phase in a hermetically sealed ampoule moving in a furnace with preset temperature conditions. The crystals are grown with or without an oriented seed. Homogeneous single crystals are obtained by rotating the ampoule around its axis which coincides with the vertical axis of the furnaces and simultaneously moving it in upward direction.

[MS]

SUB CODE: 20/ SUBM DATE: 22Mar65/ ATD PRESS: 50>0

Card 1/1 hlg

UDC: 548.522



ACC NR: AT7001788

SOURCE CODE: UR/3119/66/000/004/0099.

AUTHOR: Aluker, E. D.; Dobrzhanskiy, G. F.; Mezina, I. P.

ORG: Institute of Physics, AN LatSSR (Institut fiziki AN LatSSR); Institute of Crystallography AN SSSR (Institut kristallografii AN SSSR)

TITLE: Temperature dependence of x-ray luminescence of alkali-halide crystals activated with In

SOURCE: AN LatSSR. Institut fiziki. Radiatsionnaya fizika, no. 4, 1966. Ionnyye kristally (Ionic crystals), 99 -106

TOPIC TAGS: alkali halide, activated crystal, x ray luminescence, thermoluminescence, temperature dependence

ABSTRACT: This is a continuation of earlier work (Izv. AN Latviyskoy SSR, Ser. fiz.-tekhn. nauk v. 4, 17, 1964 and elsewhere) dealing with radioluminescence processes in different alkali-halide crystals activated with thallium. The present investigation extends these results to other bases and to other activators. The tests were made on KCl-In, KBr-In, and KI-In crystal phosphors grown by the Stockbarger method. They consisted of measuring the x-ray luminescence spectra at various temperatures and the temperature dependence of the intensity of activator glow under x-ray excitation at temperatures 77 - 600K, and plotting the thermoluminescence curves following x-ray exposure at liquid-nitrogen and room temperatures. The temperature dependence of the x-ray luminescence of the measured crystals exhibited many features common to those

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ACC NR: AT7001788

for crystals activated with thallium. Just as in the case of thallium, the samples activated with indium had temperatures at which the intensity of the activator glow had a maximum (340, 270, and 260° for KCl, KBr, and KI). The most intense thermoluminescence peaks (330, 140, and 130°, respectively) were observed in this region. In the chlorides and bromides activated with indium, unlike those activated with thallium, the low-temperature decrease of the activator glow was not accompanied by an increase in the glow of another spectral composition, whose intensity increased with decreasing concentration of the activator. The growth of the activator concentration decreased the depth of the low-temperature decrease of the activator-glow intensity. The authors thank K. K. Shvarts for suggesting the topic and continuous interest. Orig. art. has: 7 figures.

SUB CODE: 20/ SUBM DATE: 00/ ORIG REF: 008

Card 2/2

DOBRZHANSKIY, O.L., polkovnik meditsinskoy sluzhby, kand.med.nauk

Treatment of fractures of long tubular bones. Voen.-med.
zhur. no.11:94-96 N '61. (MIRA 15:6)
(FRACTURES)

FOMIN, G.N.; DOBRZHANSKIY, P.I.

Large-panel walls constructed from gypsum concrete. Stroi.prom.
32 no.1:15-22 Ja '54. (MLRA 7:2)
(Walls) (Concrete)

ACQUISITION NO. 170261687

5/21/81/KL/200-1000000000

AUTHORS: Belov, Ya. Ye.; Dobrzhanskiy, R. I.; Plesin, V. P. et al.
V. N. (Corresponding member AN UkrSSR)

TITLE: An estimate of the minimum switching voltage and the maximum number of channels of a matrix semiconductor commutator

SOURCE: AN UkrSSR, Fiziko-mekhanicheskiy institut. Voprosy peredachi informatsii, no. 3, 1964, 77-84

TOPIC TAGS: commutator, matrix commutator, switching voltage, commutator channel number, operating stability, noise level, remote control, contactless control

ABSTRACT: The contactless distributors of multichannel systems widely used in automation and remote control use the principle of matrix addition of signals. This article investigates the matrix circuits of contactless distributors of multivibrators (Ya. Ye. Belov, R. I. Dobrzhanskiy, V. N. V. N. Plesin, et al., Sov. radio, Sov. vol. CHI, no. 6, 1961). The determined switching voltage is obtained from the calculations of the commutator noise and noises. These calculations use the concept of noise temperature (A. P. Kostylev).

Card 1/2

ACCESSION NR: AT5001687

Raschet koeffitsiyentov shuma radiopriyemnikov Vayengiz, M., 1959). Calculations also yield formulas which can be used for the calculation (for a given set of operating parameters) of the maximum number of channels (outputs) of the aforementioned matrix circuit. Introducing the usual range of values for the operating parameters, the total number of commutator channels turns out to be several. An experimental check was carried out on a 63-channel transistorized commutator model. Circuit noises did not exceed 1-1.5 uv, and a 3 uv applied signal could be reliably detected at the amplified output by a phase detector. The signal frequency was 1500 c/sec. Heating up to 110C raised the noise level slightly. The commutator was unaffected by power supply voltage variations. See also reference 401, page 127, and 7 figures.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: EC, IE

NO R/F S/V: 005

OTHER: 001

2/2
Card

NAGORNYY, Ivan Sergeyevich [Nahornyi, I.S.]; PRIMAK, Aleksey
Yakovlevich[Prymak, O.IA.]; ANDREYEVSKIY, V.Ya.
[Andriievs'kyi, V.IA.], dots., red.; DOBRZHANSKIY, V.M.,
[Dobrzhans'kyi, V.M.], red.; POTOTSKAYA, L.A.[Potots'ka,
L.A.], tekhn. red.

[Udder diseases in cows] Khvoroby vym'ia u koriv. Kyiv,
Derzhsil'hospvydav URSSR, 1962. 90 p. (MIRA 16:5)
(Udder--Diseases)

KL'OSOV, M.D., doktor vet. nauk, otv. red.; DOBRZHANSKIY, V.M.
[Dobrzhans'kyi, V.M.], red.; POTOTSKAYA, L.A. [Potots'ka,
L.A.], tekhn. red.

[Measures for controlling parasitic diseases of farm animals]
Zakhody borot'by z parazytnymy khvorobamy sil's'kohospodars'-
kykh tvaryn; materialy sesii. Kyiv, Vyd-vo Ukr. akad. sil'-
s'kohospodars'kykh nauk, 1962. 132 p. (MIRA 16:5)

1. Kiev. Ukrains'ka Akademiya sil's'kohospodars'kykh nauk.
Viddilennia tvarynnystva.
(Ukraine—Veterinary parasitology)

PONOMARENKO, Fedor Mikhaylovich, prof.; YATSYSHIN, Anatoliy Iosifovich [IAtsyshyn, A.I.]; NASTENKO, Kuz'ma Afanas'yevich; REVENKO, Ivan Petrovich, kand. veter. nauk; SKIRTA, Ol'ga Mikhaylovna [Skyrta, O.M.]; PETRENKO, B.G. [Petrenko, B.H.], doktor veter. nauk, prof., red.; DOBRZHANSKIV, V.M. [Dobrzans'kyi, V.M.], red.; MANOYLO, Z.T., tekhn. red.

[Edema disease in swine] Nabriakova khvoroba svinei. Kyiv, Vyd-vo Ukrains'koi Akad. sil's'kohospodars'kykh nauk, 1961.
69 p. (MIRA 17:3)

BONDARENKO, G.F., otv. red.; DIDOVETS, S.R., red.; MUCHNIK, S.R., prof., red.;
PUCHKOVSKAYA, N.A., prof., red.; SHULYUMOVA, Ye.S., prof., red.;
DOBRZHANSKIY, V.N., red.; LAPCHENKO, Ye.P., tekhn. red.

[Tissue preparations in animal husbandry] Tkanevye preparaty v
zhivotnovodstve; materialy. Kiev, Gossel'khozizdat USSR, 1962.
235 p.
(MIRA 16:2)

1. Nauchno-proizvodstvennaya konferentsiya po primeneniyu tkanevykh preparatov po V.P. Filatovu v zhivotnovodstve i veterinarii, Odessa, 1960.
2. Chlen-korrespondent Akademii meditsinskikh nauk SSSR, Ukrainskiy nauchno-issledovatel'skiy eksperimental'nyy institut glaznykh bolezney i tkanevoy terapii im. akad. V.P. Filatova (for Puchkovskaya).
3. Ukrainskiy nauchno-issledovatel'skiy eksperimental'nyy institut glaznykh bolezney i tkanevoy terapii im. akad. V.P. Filatova (for Muchnik).
4. Odesskiy sel'skokhozyaystvennyy institut (for Shulyumova).
5. Nachal'nik Upravleniya veterinarii Ministerstva sel'skogo khozyaystva Ukr.SSR (for Didovets).

(Tissue extracts) (Stock and stockbreeding)

SALGANSKIY, Aleksey Aleksandrovich, dots., kand. biol. nauk; SLES',
Ivan Sergeyevich, kand. biol. nauk; TREUS, Vladimir
Danilovich, kand. biol. nauk; USPENSKIY, Gerasim Aleksandrovich,
kand. biol. nauk; MOKEYEV, A.Ye., otv. za vypusk; DOBRZHANSKIY,
V.N., red.; POTOTSKAYA, L.A., tekhn. red.

[Askaniya-Nova Zoological Garden; acclimatization of ungulates
and ostriches] Zoopark "Askania-Nova," opyt akklimatizatsii
dikikh kopytnykh i strausov. Kiev, Gossel'khozizdat USSR,
1963. 305 p. (MIRA 16:11)

1. Direktor Ukrainskogo nauchno-issledovatel'skogo instituta
zhivotnovodstva stepnykh rayonov im. M.F.Ivanova "Askaniya-
Nova" (for Mokeyev).

(Askaniya-Nova Preserve--Ungulata)
(Askaniya-Nova Preserve--Ostriches)

NIKOL'SKIY, Vladimir Vasil'yevich, prof.; DOBRZHANSKIY, V.N., red.

[Infectious (virus) gastroenteritis of swine] Infektsionnyi (virusnyi) gastroenterit svinei. Kiev, Izd-vo "Urezhai," 1964. 61 p. (MIRA 17:9)

MUZNETSOVA, Z.I.; IVANOV, V.I.; DOBRZHINSKAYA, M.S.

Effect of the structure of elementary links of modified cellulose during
its oxidation. Izv. AN SSSR.Otd.khim.nauk no.10:1888-1889 O '62.
(MIRA 15:10)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Cellulose) (Oxidation)

DAVYDOVA, G.V.; DOBRZHINSKAYA, M.S.; SHORYGINA, N.N.

Reaction of tribenzyl- and triacetyllevoglucosan with a solution
of metallic sodium in liquid ammonia. Izv.AN SSSR Otd.khim.nauk
no.5:883-886 My '63. (MIRA 16:8)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.
(Levoglucosan) (Sodium)

DOBZHITSKIY, B.S.

KONDRAT'YEV, B.A.; DOBRZHITSKIY, B.S.; RODIONOVA, F.A., red.; SMIRNOVA, M.I.,
tekhn. red.

[Lessons in geography for the fifth grade; based on experience]
Uroki geografii v piatom klasse; iz opyta raboty. Moskva, Gos.
uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1957. 230 p.
(Geography—Study and teaching) (MIRA 11:7)

DOBRYCKA, M.

On the utility of a four-group program in latitude service.
Acta astronomica 13 no.3:197-205 '63.

1. Polish Academy of Sciences, Astronomical Latitude
Station, Borowiec.

DOBRZYCKA, M.

Applications of the Pleiades for determining the pitch
of the screw of an eye-piece micrometer. Acta astronom
14 no. 1:38-44 '64.

1. Latitude Station, Polish Academy of Sciences, Borowiec.

DOBRZYCKI, Edmund, dr

Maritime problems in works of the West Pomeranian Institute in Szczecin. Tech gosp morska 12 no.7/8:228-229 Jl-Ag '62.

1. Sekretarz Naukowy Instytutu Zachodnio-Pomorskiego, Szczecin.

A-26

COUNTRY : Poland
CATEGORY : Chemical Technology. Chemical Products and Their Applications--Carbohydrates and their processing.
AEG. JOUR. : RZKhim, No. 22 1959 No. 80022

AUTHOR : Dobrzycki, J.
INST. : Not given
TITLE : On the Automation of Continuous Diffusion Batteries

CRG. PUB. : Gaz Cukrown, 61, No 1, 6-8 (1959)

ABSTRACT : The purpose of the application of automatic controls to the diffusion process in sugar [beet] plants is clarified. It is shown that the application of complex automatic controls is successful only when continuous diffusion batteries are used. The parameters subject to automatic control are listed together with the parameters which are independent of the type of process used in the diffusion step.

D. Branshteyn

CARD: 1/1

255

DOBRZYCKI, J.; FALVAI, Alfred, dr. [translator]

Calcium salts. Cukor 16 no.2:38-44 F '63.

DOBRZYCKI, J.

DOBRZYCKI, J. The Definitive Orbit of Comet 1914e (Campbell). Poznanskie towarzystwo przyjaciol nauk. Bulletin. Serie B: sciences mathematiques et naturelles, 1953, no. 12, p. 113-122.

DOBRZYCKI, J.

DOBRZYCKI, J. Observation of Minor Planets made at the Zeiss Astrograph
(diam. - 120 mm, f = 53 cm) in 1950-1951. Poznanskie Towarzystwo Przyjaciol
nauk. Bulletin. Serie B: sciences mathematiques et naturelles, 1953,
no. 12, p. 215-216.

3(7),29(0)

POL/26-59-1-2/20

AUTHOR: Dobrzycki, Jerzy

TITLE: Observations of Artificial Earth Satellites Made at
the Latitude Station of the Polish Academy of Sciences
at Borowiec

PERIODICAL: Acta geophysica polonica, 1959, Nr 1, pp 9-11 (Poland)

ABSTRACT: The latitude station at Borowec made visual observations of three Soviet satellites and their rocket carriers (Sputnik I,II,III) during the period from October 1957 to August 1958. The author presents a table containing complete observations only. The tabulated positions are topocentric and referred to equinox 1950. Conventional accuracy of $0.^{\text{m}}1$ in RA and $0.^{\circ}1$ in declination was adopted with exception in some cases. Observers: I. Domiński, J. Dobrzycki, M. Dobrzycka, H. Hurnik, M. Sokołowski. There is 1 table.

ASSOCIATION: Stacja szerokościowa Polskiej akademii nauk w Borowcu
(Latitude Station of the Polish Academy of Sciences at
Card 1/2 Borowiec)

DOBRZYCKI, J.

Remarks on the influence of instrumental errors on the
measured latitude. Acta astronomica 11 no.4:255-263
'61.

1. Polish Academy of Sciences, Astronomical Latitude
Station, Borowiec.

DOBRZYCKI, Jerzy

The catalog of stars in "De revolutionibus". Hist nauk mat
fiz geol no. 7:109-153 '63.

DOBRZYCKI, Jerzy, dr. adiunkt

Galileo as astronomer. Problemy 20 no.8:474-476 *64

1. Institute of Science and Technology, Polish Academy of Sciences, Warsaw.

DOBRYCKI, J.

A visit to Great Britain. Kwart hlet naki i toch " no. 1/2.
235 '62.

PTR Dobrzański, J.

6

1476

664.127.7 : 518.3

Dobrzański, J. A Nomogram for Dye Tests
"Nomogram do obliczania zabarwienia". Gazeta Cukrownicza No.
7-8, 1951, pp. 161-163, 1 figs.

A sketch is given of a nomogram for dye tests of sugar products.
The nomogram helps the chemist in making laboratory calculations
and is a saver of time.

BA Dobrzych, J.

2

Monogram for calculation of colors. J. Dobrzych (Gaz. Cukr.,
1951, 67, 149-150; Sug. Ind. Amer., 1951, 28, 150).—A nomogram
is given relating colorimeter readings (in mm.), "Brix, and "Stammer
for low-grade syrups.
P. S. Arup.

Dobrzycki, J.

POLAND / Chemical Technology. Chemical Products and Their
Application. Food Industry.

I-30

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, No 10287

Author : Dobrzycki, J.

Inst : Not given

Title : The Mathematical Foundations of the Accuracy of Analytic
Determinations

Orig Pub : Przem. spozywczy, 1956, Vol 10, No 7, 265-269

Abstract : The fundamental concepts and relations of the theory of errors are discussed with application to analytical determinations in the various branches of the food industry. Among the questions discussed are the accuracy of analytic determinations, the compensation of nonuniformities in the material by increasing the size of the sample, and the effect of the number of the determinations on the accuracy of the mean, as well as the evaluation of new analytic methods.

Card : 1/1

POLAND/Chemical Technology - Chemical Products and Their
Application. Carbohydrates and Refinement.

4-26

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 26718
Author : Dobrzycki Jan
Inst :
Title : Effect of Steam-Superheating on Output of First
Evaporation Unit.
Orig Pub : Gaz. cukrown., 1957, 59, No 2, 35-39

Abstract : Appropriateness of humidifying the superheated steam
which is fed to heat the evaporation, is discussed.
Examples of heat transfer computations are given as
well as the corresponding diagrams of temperature drop
under different conditions of operation (heating with
saturated and with superheated steam of clean and incrusta-
tion-coated heating surfaces). With superheated
steam the coefficient of heat transfer is one half of
that with saturated steam, but intensity of heat

Card 1/2

POLAND /Chemical Technology - Chemical Products and Their
Applications. Carbohydrates and Refinancant.

II-26

Abs Jour : Ref zhur - Khimiya, no 8, 1958, 26718

transmission is 4 times greater. With a temperature of superheated steam below 200° a humidifying is superfluous; if necessary it is recommended to effect only partial humidifying with cooling of the steam to about 180°.

Card 2/2

- 60 -

POLAND/Chemical Technology - Chemical Products and Their
Application - Carbohydrates and Refinement.

H.

Abs Jour : Ref Zhur - Khimiya, No 9, 1958, 30411
Author : Dobrzycki, J.
Inst :
Title : The Chemical Purification of Cane Juice.
Orig Pub : Gaz Cukrownicza, 59, No 6, 142-147, 1957.

Abstract : A survey of the technology and physicochemical fundamentals of all the stages involved in the purification of the juice (preliminary and basic clarification, first- and second-stage carbonization).
The bibliography lists 26 references.

Card 1/1

Dobrzycki, J.

POLAND/Carbohydrates and Their Reprocessing.

H.

Abs Jour : Ref Zhur - Khimiya, No 19, 1958, 65738

Author : Dobrzycki Jan

Inst :
Title : Determination of Sugar Losses in Diluted, Saturated
Pulp by the Shapiro Method.

Orig Pub : Gaz. cukrown., 1957, 59, No 11, 285-289

Abstract : A critical analysis is given of the method and influence
of various factors on the accuracy of determination
(degrees of maximum relative errors are cited). A more
accurate formula is derived from the coefficient of con-
version of the degree of polarization on the content of
sugar, (in percentages) in thick pulp. The deviation in
technology (insufficient washing off of pulp from the
sugar, fluctuation of the specific gravity of water due
to the presence of impurities or of sugar, different con-
centration of pulp), as well as errors of execution

Card 1/2

POLAND/Carbohydrates and Their Reprocessing.

H.

Abs Jour : Ref Zhur - Khimiya, No 19, 1958, 65738

(insufficient degasification of the analized pulp,
sedimentation of the pulp, inaccuracy of weighing and
of measuring of contents) seldom influence the results
of determinations, giving the method no use for produc-
tion inspection.

Card 2/2

.34

POLAND / Chemical Technology. Chemical Products and
Their Applications. Carbohydrates and Their
Processing.

H

Abs Jour: Ref Zhur-Khimija, 1959, No 4, 13402.

Author : Zagrodzki, Stanislaw; Dobrzycki, Jan; Zaorska,
Helena.

Inst : Not given.

Title : Investigation of the Functioning of the Continuous-
Process Diffuser Appliance of the "Ol'ye" System.

Orig Pub: Gaz. cukrown., 1958, 40, No 3, 71-77.

Abstract: On the basis of measurements made, the dosage,
course of diffusion, quality of juice (rate,
microbiological evaluation, pH), corrosion of
the apparatus are described. Material and heat
equilibria are cited, as well as data character-
izing the hydraulic resistances. On the whole,

Card 1/2

POLAND / Chemical Technology. Chemical Products and
Their Applications. Carbohydrates and Their
Processing.

H

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 13402.

Abstract: the appliance works no worse than does the Robert's
battery; the high sugar losses (0.53-0.77%) are
explained by the low quality of the cossettes. --
Ya. Shteynberg.

Card 2/2

114

POLAND/Chemical Technology. Chemical Products
and Their Applications. Carbohydrates
and Their Processing.

H

Abs Jour : Ref Zhur-Khimiya, No 6, 1959, 21173

Author : Dobrzycki, Jan

Inst :

Title : Polarimetric Determination of Sugar
Content.

Orig Pub : Gaz. cukrow,, 1958, 60, No 6, 181-184

Abstract : A setup is described for regulation and
verification of polarimetry. A method of
preparing the solution is analyzed, sour-
ces of errors and their elimination are
described. -- Ya. Shteynberg

Card : 1/1

H -//

DOBRYCKI, J.

Determination of the extinction of sugar products by the use of the Visomat colorimeter.
p. 251.

CHEMIA ANALITYCZNA. (Komisja Analytycana Polskiej Akademii Nauk i Naczelnego Organizacj Techniczna) Warszawa. Poland. Vol. 4, No. 2, 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 8, August 1959
Uncla.

DOBRZYCKI, Jan, dr

Continuous defecating saturation of sugar-beet juices. Wiad
chem 17 no.3:201-203 Mr '63.

1. Katedra Cukrownictwa i Technologii Srodkow Spozywczych,
Politechnika, Lodz.

DOBRZYCKI, Jerzy (Borowiec)

The 400th birthday of Galileo Galilei; a session of the Committee for the History of Science and Technology of the Polish Academy of Sciences, Warsaw, October 20, 1964. Nauka polska 13 no.1:133-134 Ja-F '65.

1. Committee for the History of Science and Technology of the Polish Academy of Sciences, Warsaw. Submitted December 1964.

SZYFMAN, Leon; DOBRZYCKI, Jerzy

M.Piehl, a Danish historian of sciences, visiting Poland. Kwart
hist nauki i tech 7 no.1/2:228-230 '62.

Dobrzycki, S. On the geometry of the zeros of polynomials. Prace Mat. 2 (1956), 94-116. (Polish, Russian and English summaries).

The paper gives information on a few basic theorems concerning the relative positions of zeros of a polynomial and its derivative, or some other particular polynomials, and the determination, according to the coefficients of the polynomial, of the regions containing all its zeros or only a given number of them.

Author's summary.

Smur

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000410710014-3

SECRET DATA SOS. The experience gained in designing this apparatus can
be made use of in designing other equipment based on a similar prin-
ciple but for other requirements and purposes.

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000410710014-3"

JASZCZEWSKI, Zbigniew, mgr inz.; DOBRZYNIECKI, Ludwik, inz.;
WYZLINSKI, Boleslaw, inz.

Recording alarm apparatus for continuous long-distance
measuring of the degree of explosion danger in closed
installations of the petroleum industry. Nafta Pol
19 no.2:32-38 F '63.

1. Instytut Naftowy, Krakow.

DOBRYNSKA, J.

Gieszczykiewicz, E., Kleszczynska, I., Stanowski, J., Cisick, A., Gutwinski, S., Wilkon, B., Plappert, Z., Bozek, K., Miejskiego Zaklad Badan Serca, Krakow. *Niewydolnosc wiencowa insufficiency and heart infarct from the social - clinical and statistical points of view POL. ARCH. MED. WILNET. 1954, 24/2 (225-239) Graphs 2 Tables 5

Coronary circulation disorders appear primarily in occupations with a preponderance of mental work but also in occupations, subject to harmful environmental influences resulting from an abnormal mode of living and working. These influences, disturbing the higher function of the nervous system, are important causal factors in coronary disease. Authors

So: Excerpta Medica, Vol. 1, No. 2, Section XVII, February 1954.

DOBRZYNsKA, K.

"Use of computers in equipment analysis" by E.R. Drevdahl.
Reviewed by K. Dobrzynska. Przegl gorn 20 no.10:419-421
O '63.

DOBROZYNsKA, Leokadia; WEZOIKA, Teresa

Clinical course of chorion epithelioma with multiple metastases to the brain & many other organs; conclusions for diagnosis. Neur. &c. polska 8 no. 2:355-358 May-June 58.

1. Z Kliniki Chorob Nerwowych A. M. G. Kierownik: prof. dr Z. Majewska i z Zakladu Anatomii Patologicznej A. M. G. Kierownik: prof. dr W. Czarnocki,

(CHORIOCARCINOMA, diag.
metastasis to brain & other organs (Pol))

(BRAIN NEOPLASMS, diag.
metastatic from chorionic epithelium (Pol))

DOBRZYNsKA, Leokadia

Epileptic seizures in cerebrospinal meningitis. Pediat.polska 34 no.
10: 1317-1322 0'59.

1. Z Kliniki Chorob Nerwowych A.M. w Gdansku. Kierownik: prof.dr.
med. Z. Majewska.
(MENINGITIS compl.)
(EPILEPSY etiol.)

DOBRZYNsKA, Leokadia; KICINSKA, Maria

Flexion spasms. Pediat. polska 36 no.4:397-400 '61.

l. Z oddzialu Neurologii Dzieciecej im. Janusza Korczaka w Gdansku
Kierownik: prof. dr Z. Majewska.

(SPASM in inf & child)

DOBRYNSKA, Leokadia

Early cerebral palsy and epilepsy in children. Neurol. neurochir.
psychiat. pol. 12 no.4:495-499 '62.

l. Z Oddzialu Neurologii Dzieciecej im. Janusza Korczaka w Gdansku.
Kierownik: prof. dr Z Majewska.

(CEREBRAL PALSY) (EPILEPSY)

DOCHKIN, I.I.

Atypical cultures of intestinal bacteria. Zhur.mikrobiol., epid.
i immun. 30 no.12:123 D '59. (MIRA 13:5)
(INTESTINES--BACTERIOLOGY)

DOBRZYNsKA, Leokadia

Early infantile cerebral paralysis and epilepsy. Neurol
neurochir psych 12 no.4:495-499 Jl-Ag '62.

1. Oddzial Neurologii Dzieciecej im. Janusza Korczaka, Gdansk.
Kierownik: prof. dr Z. Majewska.

*

BANACHOWSKA, Franciszka; DOBRZYNsKA, Leokadia; KICINSKA, Maria

Attempted classification of epilepsy in children in accordance
with our material. Neurol. neurochir. Psychiat. pol. 13 no.6:
769-775 N-D'63

1. Z Wojewódzkiej Przychodni Zdrowia Psychicznego w Gdansku
(kierownik poradni ~~pediatrycznej~~: F.Banachowska) i z Oddziału
Neurologii Dziecięcej im. Janusza Korczaka Kliniki Neurolo-
gicznej AM w Gdansku (kierownik: prof.dr. Z.Majewska).

*

DOHRZYNsKA, Leokadia

Convulsions and epilepsy in children. Neurol. neurochir.
psychiat. pol. 13 no.6:797-805 N-D'63

l. Z Oddzialu Neurologii Dzieciecej im. J.Korczaka Kliniki
Neurologicznej AM w Gdansku; kierownik: prof.dr. Z.Majewska.

*

KICINSKA, Maria; BANACHOWSKA, Franciszka; DOBRZYNsKA, Leokadia

Our observations on so-called spontaneous epilepsy in children. Neurol. neurochir. psychiat. pol. 13 no. 6:807-809
N-D'63

Clinical morphology of epileptic seizures in children less than 2 years of age. Ibid: 811-813

1. Z Oddzialu Neurologii Dziecięcej im. J.Korczaka Kliniki Chorób Nerwowych AM w Gdansku ; kierownik: prof.dr. Z.Majewska.

*

DOHRZYNsKA, Leokadia

Febrile convulsions. Pediat. Pol. 38 no.12:1051-1056 D'63

1. Z Oddzialu Neurologii Dzieciecej im. Janusza Korczaka
Kliniki Chorob Nerwowych AM w Gdansku; kierownik: prof.dr.
med. Z.Majewska.

*

DOBRYNSKA, Leokadia

Symptomatology of hemiplegia in children. Pediat. pol. 39 no.1:
45-50 Ja'64

1. Z Oddzialu Neurologii Dzieciecej im. J.Korczaka Kliniki
Chorob Nerwowych AM w Gdansku. Kierownik: prof.dr.Z.Majewska.

*

POLAND

DOBRZYNsKA, Leokadin: Division of Child Neurology (Oddzial Neurologii Dziecięcej) im. Janusza Korczaka in Gdańsk (Director: Prof. Dr. Zofia MAJewska)

*Cystic Brain Degeneration in a Small Child. Case Report."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 14, 1 Apr 63,
pp 516-518.

Abstract: [Author's English summary] Author reviews the literature concerning cystic degeneration of the brain and reports on a case of a child with cystic degeneration of the brain and clinical picture of hydrocephalus followed up for 28 months. X-ray examination of the brain, performed with contrast medium, revealed in both hemispheres multiple caves communicating with the ventricles. There are five (5) references, of which one (1) is in German and the others in English.

1/1

DOBRZYNsKA, Leokadia; KICINSKA, Maria

Paroxysmal EEG discharges without epileptic seizures in children.
Neurol., neurochir. psychiat. Pol. 14 no.3:391-395 My-Je '64

1. Z Oddzialu Neurologii Dziecięcej im. Janusza Korczaka Kliniki
Chorob Nerwowych Akademii Medycznej w Gdańsku (Kierownik Kliniki:
prof. Z. Majewska).

DOBRZYNsKA, Leokadia

Convulsions in children. Pol. tyg. lek. 20 no.6:201-202 8 F '65

1. Z Kliniki Chorob Nerwowych Akademii Medycznej w Gdansku
(Kierownik: prof. dr. Z. Majewska).

KICINSKA, Maria; DORRZYNSSKA, Leokadia; BANACHOWSKA, Franciszka

Symptomatology of temporal lobe seizures in children on the basis of our own material. Neurol. neurochir. Psychiat. Pol. 15 no.3:391-393 My-Je '65.

1. Z Kliniki Chorob Nerwowych AM w Gdansku (Kierownik: prof. dr. Z. Majewska).

DOBRZYNISKI, Leszek; WROBLEWSKA-MULARCZYKOWA, Zofia; TAYTSCH, Zofia
Florentyna; PRZESMYCKI, Feliks; OLKOWSKA, Danuta; SWOBODZINA,
Ewa.

A search for arborviruses previously not known to occur in
Poland. IV. Virologic and serologic studies in the Kampinos
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5 figs., 17 tabs.

Hemi-hydrate gypsum must be used not only for finishing work, but
also for making mortars, concretes and semi-finished products. Investi-
gations carried out in scientific laboratories have proved the suitability
in every respect for these purposes of hemi-hydrate gypsum. Gypsum
mortars are suitable for walling during the winter months. Gypsum con-
crete is the most economic in use when slag is the filler aggregate. Pre-
fabricated gypsum elements can be made quickly with simple technical
means, at small investment cost.

MN

(2)

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Abs Jour : Ref. Zhur. Khimiya, No 4, 1958, 12067.

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Having in view the psychological and preventive functions of well organized workers' leisure, a large scale organization has been founded in Poland: the Workers' Leisure Fund, which directs a great number of healthy or slightly ill workers (also peasants) to health resorts. Appropriate leisure at week-ends and also after work during the whole week is carefully planned. The results in improving the workers' health and - indirectly - output are very encouraging.

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